

Abstract

The invention relates to a method for operating a supply unit for a power stage, particularly in a power electronic circuit for an electric motor, where a control current through an inductive converter is switched using a first and a second switch in order to generate a power supply for the power stage, where turning off the first switch allows a free-wheeling current to flow through a free-wheeling current path,

having the following steps:

- a) first and second switches are turned on;
- b) the first switch is turned off in a turn-off operation;
- c) the free-wheeling current through the first free-wheeling current path is measured;
- d) the switching behavior of the second switch is controlled on the basis of the measured first free-wheeling current.